

Job Description

NCAM – Process Engineer / Senior Process Engineer

The National Centre for Additive Manufacturing (NCAM) is a company registered under Section 8(1) of the Companies Act 2013. The NCAM is established by the Ministry of Electronics and Information Technology (MeitY), Govt. of India and ITE&C Department, Govt. of Telangana in partnership with Industry. It is conceptualized with a vision to create and enable a sustainable ecosystem for product innovation in India with emphasis on research, design, development, and testing through collaborative efforts between academia, industry and government using the disruptive technology of Additive Manufacturing.

The NCAM will nurture the growth and development of the Additive Manufacturing ecosystem in the country and it will be a physical centre located in Hyderabad equipped with state of art AM infrastructure, office and incubation space, etc.

Position	:	Process Engineer / Senior Process Engineer in Additive Manufacturing
No. of Position	:	1 (one) – on a contractual basis
Duration	:	2 (two) years but extendable on a performance basis.
No. of Working Days	:	6 days in a Week i.e., (Monday to Saturday)
Location	:	NCAM, TDC Building, Osmania University, Hyderabad – 500 007
Remuneration	:	The remuneration will be tentatively 5-6 lakh per annum. Based on the experience in the relevant field
Educational Qualifications & Attributes	:	<ul style="list-style-type: none"> • Bachelor's degree in science, Technology, or Engineering with 3-5 years of industrial experience in additive engineering or a similar role • Equivalent combinations of education and experience will be considered • Proficient in 3D CAD package (SolidWorks preferred, ProE/Creo, NX, etc) • Experienced with Major 3D printer manufacturers • Extensive experience in 3D printing technologies including material selection, HP MJF, SLS, FDM, DMLS, SLA, PolyJet, & Carbon DLS • Possess excellent analytical and problem-solving skills to troubleshoot machine errors and other related issues • Effective communication skills with cross-functional teams, technicians, and other stakeholders



Job Responsibilities	: <ul style="list-style-type: none">• Focus on developing and scaling up novel printing manufacturing techniques.• Design and execute experimental plans and generate related reports.• Contribute to process validations and integrate processes in the production pilot line.• Establish quality control specifications for the processes and materials.• Analyse and characterize existing processes, implementing necessary controls for critical parameters, and enhancing the stability and resilience of the processes.• Attend and support regular project meetings, present and provide summary reports.• Experience in installation commissioning and setting up DMLS, SLS machines• Vendor Communication for various labs needs for the smooth running of the lab set up• Develop and maintain project schedules.• Follow all safety procedures, including handling hazardous chemicals and company policies and procedures. • Able to provide solutions related to customer needs for smooth customer relationships Procure and manage internal 3D printers based on internal project needs• Manage and maintain NCAM Prototype Requests by ensuring timing and priorities are clearly communicated to requesters and management• Perform calibration, verification, and testing of 3D printing equipment to ensure 3D printers are operating efficiently• Manage the troubleshooting and repair requirements of any down equipment• Work closely with cross-functional teams, including engineers, technicians, and program managers, to ensure effective communication, collaboration, and alignment on deliverables and timing• Manage any 3rd party printing prototypes requested that must be sent out of house to have done• Propose proper material selection based on product functions and objectives• Stay updated with new relevant technologies in 3D printing industries• Identify opportunities for process optimization and improvement in 3D printing process, equipment performance, and calibration procedures• Develop and implement innovative solutions to enhance the efficiency and accuracy of 3D printing process• Provide training and technical support to team members regarding material selection techniques and 3D printing technologies
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Required Skills/Experience	:	<ul style="list-style-type: none">• Strong knowledge and hands-on experience with different additive manufacturing techniques such as binder jetting, powder bed fusion, and inkjet.• Interest in advanced technology and an ongoing desire to learn with an R&D attitude.• Demonstrated hands-on lab work skills, including chemical, powder, and slurry handling, with a minimum of 5 years of related experience.• Comprehensive knowledge and proficiency in working with powder formulation, processing, and characterization.• Must be able to take ownership, initiative, analytical, and thorough.• Organized, detail-oriented, and a team player.
Physical Requirements:	:	<ul style="list-style-type: none">• Ability to communicate in real-time with co-workers• Ability to navigate a lab environment• This is a largely sedentary position, with the majority of work done either in a lab, in face-to-face meetings, or on computers• Travel frequency will be incidental
Selection Process	:	An applicant is required to apply through the Indeed job portal. A Selection Committee shall be constituted to finalize the appointment.
Mode of Selection	:	Interview by Selection Committee
Application Link	:	Apply via indeed job portal

Note: The qualifications and requirements outlined above are intended to represent the minimum knowledge, skills, and abilities required to perform the job successfully. Candidates who possess equivalent qualifications may also be considered.